



DOCKET: CU-2599

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Jiro Onishi et al.)
SERIAL NO: 09/909,300) Group Art Unit: 1771
FILED: July 19, 2001) Examiner: D. Zirker
TITLE: Method for Forming Printed Product

THE ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

CLEAN VERSION OF AMENDED CLAIMS

6. An adhesive layer transfer sheet used for transferring a transferring adhesive layer onto a receptor layer of an intermediate transfer medium, comprising at least a substrate sheet and the transferring adhesive layer formed on the separable substrate sheet,

B39 the transferring adhesive layer comprising at least an uppermost layer having an adhesive property suitable for the receptor layer of the intermediate transfer recording medium and arranged at a farthest portion from the substrate sheet, formed of a resin having the glass transition temperature of not less than 60°C, and a basement layer having an adhesive property suitable for a surface of a transfer-receiving material, formed of a different material from a material of the uppermost layer, and arranged at a closest portion from the substrate sheet, and further, an intermediate layer is formed between the uppermost layer and the basement layer.

8. An adhesive layer transfer sheet according to claim 6, wherein the basement layer is contains an ionomer.

9. An adhesive layer transfer sheet according to claim 7, wherein the basement layer contains an ionomer.

B40 10. An adhesive layer transfer sheet according to claim 8, wherein the basement layer containing an ionomer is connected to the uppermost layer via an intermediate layer.

11. An adhesive layer transfer according to claim 9, wherein the basement layer containing an ionomer is connected to the uppermost layer via an intermediate layer.

15. An adhesive layer transfer sheet according to claim 6, wherein:

B41 the adhesive layer transfer sheet further comprises at least one coloring material layer selected from the group consisting of sublimation dye layers having various colors and heat

fusible ink layers having various colors, and the transferring adhesive later, the layers are formed so as to be laterally arranged along the surface of the substrate sheet,

each coloring material layer is formed as the plane shape and size to fit an individual image forming area allotting on a surface of the transfer-receiving material on which the image is transferred and formed by using the intermediate transfer recording medium without wasting the coloring material, and

the transferring adhesive layer is formed as the plane shape and size to fit a receptor layer transfer area of a surface of the transfer-receiving material, without wasting the transferrinn-receiving material.

16. An adhesive layer transfer sheet according to claim 7, wherein:

B41

the adhesive layer transfer sheet further comprises at least one coloring material layer selected from the group consisting of sublimation dye layers having various colors and heat fusible ink layers having various colors, and the transferring adhesive later, and these layers are formed so as to be laterally arranged along the surface of the substrate sheet,

each coloring material layer is formed as the plane shape and size to fit an individual image forming area allotting on a surface of the transfer-receiving material, on which the image is transferred and formed by using the intermediate transfer recording medium without wasting the coloring layer, and

the transferring adhesive layer is formed as the plane shape and size to fit a receptor layer transfer area of a surface of the transfer-receiving material without wasting the transfer-receiving material.

18. A printed product comprising at least a transfer-receiving material, a transferring adhesive layer arranged on the transfer-receiving material, and a receptor layer bearing an image arranged on the transferring adhesive layer, in which

B42

the transferring adhesive layer comprises at least an uppermost layer having an adhesive property suitable to the receptor layer and adhering to the receptor layer, and a basement layer formed of a different material from a material of the uppermost layer, having an adhesive property suitable to the transfer-receiving material, and adhering to the transfer-receiving material.

19. A printed product according to claim 18, wherein the transfer-receiving material is a natural paper having a smoothness of 10-1500 seconds to Bec's Smoothness.
